

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended) An electrostatic device configured and disposed to electrostatically charge and dispense a liquid composition from a supply to a dispensing point of dispense,

wherein the device comprises:

an actuator;

a high voltage generator to provide a high voltage;

a power source to activate said actuator and said high voltage generator;

a reservoir to contain the supply of said liquid composition; and

a dispensing unit comprising:

a pump in immediate ~~upstream~~ downstream relation with the reservoir for supplying the liquid composition from the reservoir, said pump being mechanically connected to said actuator to be driven thereby;

an emitter electrode to electrostatically charge the liquid composition, the emitter electrode being electrically connected to said high voltage generator; and

a nozzle to dispense the liquid composition, said nozzle being disposed at the ~~point of dispense~~ dispensing point;

wherein the device further comprises a field electrode surrounding the reservoir, said field electrode being connected to said high voltage generator for providing the entire liquid composition with more or less a common electric potential; and

wherein the reservoir is configured to provide a removable cartridge, said reservoir being devoid of the field electrode.

Claim 2 (original) The device as set forth in claim 1, wherein said device includes a housing carrying said actuator, said high voltage generator, and said power source, said housing being formed with a concavity for detachably receiving said reservoir, said field electrode being incorporated in said housing around said concavity.

Claim 3 (original) The device as set forth in claim 1, wherein

said housing incorporates a motor which drives said actuator for operating said pump;
said housing further incorporating therein a frame which mounts said motor as well as
said high voltage generator,
said frame dividing the interior space of said housing into a front compartment and a
rear compartment, said front compartment accommodating said motor and said high
voltage generator, and said rear compartment defining said concavity for receiving said
reservoir,
said housing comprising a front shell and a rear shell,
said front shell being fitted over said frame to define therebetween said front
compartment,
said rear shell being fitted on said frame to define therebetween said rear compartment,
said field electrode composed of a first plate secured to the frame and a second plate
secured on the interior surface of said rear shell.

Claim 4 (original) The device as set forth in claim 2, wherein
said reservoir is coupled to said dispensing unit and is cooperative therewith to define
said cartridge,
said housing comprising a positioning means with which said cartridge detachably
engages for resting said reservoir in said concavity,
wherein when said cartridge is engaged with said housing, the actuator is detachably
engaged with a mechanism to activate said pump, and a voltage terminal is detachably
in contact with said emitter electrode to apply said high voltage to said emitter
electrode.

Claim 5 (original) The device as set forth in claim 4, wherein
said positioning means is a mount formed at the upper end of said housing on which
said dispensing unit rests.

Claim 6 (original) The device as set forth in claim 5, wherein

said voltage terminal is located below an opening which is formed in the mount to permit the lower end of said emitter electrode to project through the opening for contact with said voltage terminal when said dispensing unit rests on said mount.

Claim 7 (original) The device as set forth in claim 1, wherein said reservoir is deformable and made of a dielectric material.

Claim 8 (original) The device as set forth in claim 1, wherein said pump is a suction pump having a drive element which is driven by said actuator to suck up said liquid composition from said reservoir and forces it out of said nozzle.

Claim 9 (original) The device as set forth in claim 2, wherein said housing incorporates a motor which drives said actuator for operating said pump; said housing further incorporating therein a frame which mounts said motor as well as said high voltage generator, said frame dividing the interior space of said housing into a front compartment and a rear compartment, said front compartment accommodating said motor and said high voltage generator, and said rear compartment defining said concavity for receiving said reservoir.

Claim 10 (original) The device as set forth in claim 9, wherein said housing has a vertical axis that defines an upper end and a lower end along said vertical axis, and said high voltage generator comprising a transformer which is arranged in stack with said motor along said vertical axis within said front compartment.

Claim 11 (original) The device as set forth in claim 10, wherein said front compartment accommodates a battery energizing the motor, said battery being arranged in a side-by-side relation with said motor in a direction perpendicular to said vertical axis and arranged in stack with said transformer along said vertical axis.

Claim 12 (original) The device as set forth in claim 5, wherein
an inner cover is provided to be detachably placed over a top portion of said housing,
said inner cover having an opening through which said nozzle extends and defining
around said opening a retainer which is placed against a portion of said dispensing unit
to hold it in position on said mount.

Claim 13 (original) The device as set forth in claim 12, wherein
said housing is provided with a positioning means for engagement with said inner cover
to retain it on the housing.

Claim 14 (original) The device as set forth in claim 12, wherein
said housing includes a front shell and a rear shell, in addition to said frame,
said frame carrying said motor, said transformer, and a battery energizing said motor,
said front shell being fitted over said frame to define therebetween said front
compartment,
said rear shell being fitted on said frame to define therebetween said rear compartment,
said front shell being formed with a battery opening through which said battery is placed
on said frame,
said inner cover shielding said battery opening when attached to said housing.

Claim 15 (original) The device as set forth in claim 14, wherein
said housing is provided with a button for releasing said inner cover therefrom and with
a switch knob for actuating said pump,
an outer cover being provided to fit over said inner cover for concealing therebehind
said dispensing unit, said button, and said switch knob.

Claim 16 (original) The device as set forth in claim 2, wherein
said field electrode is extended outwardly from said concavity to follow at least part of
the dispensing unit for covering a flow path of said liquid composition from said
reservoir to said nozzle.

Claim 17 (original) The device as set forth in claim 4, wherein
said dispensing unit further comprises a field electrode.